

### REMARKS

Claims 1 - 39 are pending in the application and are presented for a first substantive examination on the merits.

In the outstanding Office Action, claims 1 - 39 were subjected to a restriction requirement.

By this Response to Restriction Requirement, an election with traverse is made.

### RESTRICTION REQUIREMENT SUMMARY

The Examiner has required restriction of claims 1 - 39 to a single invention under 35 U.S.C. §121 and §372, as follows:

- Group I: claims 1 – 12 and 30 - 39, drawn to methods of treating and diagnosing diseases involving the NIS gene;
- Group II: claims 14 – 15, drawn to *in vitro* diagnosis of NIS gene-expressing carcinomas;
- Group III: claims 16 – 25, drawn to compositions for diagnosis or therapy NIS gene-expressing carcinomas; and
- Group IV: claims 26 – 29, drawn to kits diagnosis or therapy of NIS gene-expressing carcinomas.

### Response

Applicants provisionally elect to continue prosecution of Group I, encompassing claims 1 -12 and 30 - 39, drawn to methods of treating and diagnosing diseases involving the NIS gene with traverse.

Applicants submit that there is no serious burden to examine the claims of Groups I - IV. Under MPEP §803, “[i]f the search and examination of an entire application can be made without serious burden, the examiner must examine it on the merits, even though it includes claims to independent or distinct inventions.” Regardless of any differences that may exist between the inventions set forth in the different claims, a complete and thorough search for the invention set forth in any one of the Groups would require searching the art areas appropriate to the other Groups. Due to the similarity of the features of the Groups, a search for each of the inventions of the Groups would be coextensive and, therefore, it is respectfully submitted that it would not be a *serious* burden upon the Examiner to examine all of the claims in this application.

Moreover, given the overlapping subject matter of the Groups, examinations of all of the invention groups would not pose a serious burden because they would be coextensive. Further, the fact that various Groups may fall under different U.S. Patent and Trademark Office classes does not necessarily make them independent or distinct inventions. The classification system at the U.S. Patent and Trademark Office is based in part upon administrative concerns and is not necessarily indicative of separate inventive subject matter in all cases.

Further, Applicants have paid a filing fee for an examination of all the claims in this application. If the Examiner refuses to examine the claims paid for when filing this application and persists in requiring Applicants to file divisional applications for each of the groups of claims, the Examiner would essentially be forcing the Applicants to pay duplicative fees for the non-elected or withdrawn claims, inasmuch as the original filing fees for the claims (which would be later

prosecuted in divisional applications) are not refundable.

Furthermore, the Examiner has at his disposal powerful electronic search engines providing the ability to quickly and easily search all of the claims. Considering that the Examiner will most likely undertake a search for the method of Group I, while searching for the subject matter of related Groups II, III and IV, it would be minimally burdensome on the Examiner to search all of the Groups in view of the fact that all of the Groups share similar features.

In view of the foregoing, Applicants respectfully request that the Examiner reconsider and withdraw the restriction requirement, and to examine all of the claims pending in this application.

**CONCLUSION**

In light of the foregoing, Applicants submit that the application is in condition for a first substantive examination. If the Examiner believes the application is not in condition for substantive examination, Applicants respectfully request that the Examiner contact the undersigned attorney if it is believed that such contact will expedite the prosecution of the application.

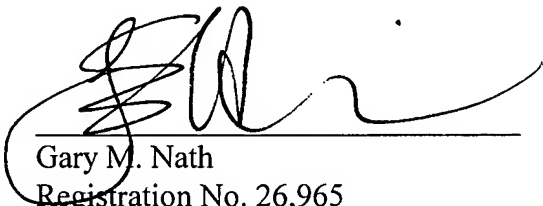
In the event this paper is not timely filed, Applicants petition for an appropriate extension of time. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 14-0112.

Respectfully submitted,

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